

Patent claims

5. What we claim is:

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of

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1. A device for perpendicular stratification of planary fibrous shapes, above all a fibrous web, with two elements making synchronous and reciprocating motions and connected with a driving mechanism, characterized in that the elements (1,2) exerting a reciprocating motion are connected with the driving mechanism (3) indirectly over at least one robust shaft (4) rigidly fitted in bearings in a rigid framework of the machine, while one element (1) is coupled to the shaft (4) rigidly or over flexible joints (6), and a second element (2) is coupled by means of flexible joints (7) with the same shaft or with another shaft (5).

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2. A device according to Claim 1, characterized in that the driving mechanism (3) consists of one driving shaft (8) with two crank assemblies (9) arranged with a phase shift to each other.

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3. A device according to Claims 1 and 2 characterized in that the flexible joints (6) and (7) consist of flat steel springs with width-to thickness ratio more than 10.

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